

Db	21	ProAspGlyGlnPheCysProValAlaCysCysLeuAspProGlyGlyAlaSerTyrSer	40
Qy	133	TGCTGCCGTCCTCTTCGGACAAATGCCACAACTCAGCAGGATCTGGGTGCCTCC	192
Db	41	CysCysArgProLeuLeuAspLysTrrProThrThrLeuSerArgHisLeuGlyGlyPro	60
Qy	193	TGCCAGGTTCATGCCACTGCTCTGCCGGCCACTCCTGCATCTTTACCTCTCAGGACT	252
Db	61	CysGlnValAspAlaHisCysSerAlaGlyHisSerCysLeuPheThrValSerGlyThr	80
Qy	253	TCCAGTTGCTGCCCTTCCACAGAGCCGTGGCATGGCGGATGCCCATCACTGCTGCCCA	312
Db	81	SerSerCysCysProPheProGluAlaValAlaCysGlyAspGlyHisCysCysPro	100
Qy	313	CGGGCTTCCACTGCATGCAGACGGCGCATCTGCTTCCAAAGATCAGTAACAACCTC	372
Db	101	ArgGlyPheHisCysSerAlaAspGlyArgSerCysPheGlnArgSerGlyAenAenSer	120
Qy	373	GTGGGTGCCATCCAGTGCCTGTAGTCAGTTGMAATGCCCGACTCTCCACGTGCTGT	432
Db	121	ValGlyAlaIleGlnCysProAspSerGlnPheGluCysProAspPheSerThrCysCys	140
Qy	433	GTTATGTCGATGCTCTCTGGGGTGTGCCCCATGCCCGAGCTTCCTGCTGTGAAGAC	492
Db	141	ValMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysCysGluAsp	160
Qy	493	AGGGTCGACTGCTCTCGCACGGGCTCTGTGGACCTGGTTCAACCGCTGCATCACCA	552
Db	161	ArgValHisCysCysProHisGlyAlaPheCysAspLeuValHisThrArgCysIleThr	180
Qy	553	CCCACGGCACCCCTCCGCAAGAAGCTCCCTGCCAGAGGACTAACAGGGCAGTG	612
Db	181	ProThrGlyThrHisProLeuAlaLysLysLeuProAlaGlnArgThrAsnArgAlaVal	200
Qy	613	GCCTGTCCACTCGGTCATGTTCCGGACGACGGTCCGGTGCCTGATGCTTCTACC	672
Db	201	AlaLeuSerSerSerValMetCysProAspAlaArgSerArgCysProAspGlySerThr	220
Qy	673	TGCTGTAGCTGCCAGTGGGAAGTATGGCTGTGCCCAATGCCCAAGCCACTGCTGC	732
Db	221	CysCysGluLeuProSerGlyLysTyrrGlyCysCysProMetProAsnAlaThrCysCys	240
Qy	733	TCCGATCACTGCATGCTGCCCCACAGACACTGTGTGTGACCTGATCCAGATAGTGC	792
Db	241	SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys	260
Qy	793	CTCTCCAAAGGAGACGCTACCACGACCTCTCACTAAGCTGCTGGCACACAGATGGGC	852
Db	261	LeuSerLysGluAsnAlaThrThrAspLeuLeuThrLysLeuProAlaHisThrValGly	280
Qy	853	GATGTGAATGTGACATCGAGGTGAGTGTGCCAGATGCTATACCTGCTGCCGTCACAG	912
Db	281	AspValLysCysAspMetGluValSerCysProAspGlyTyrrThrCysCysArgLeuGln	300
Qy	913	TGGGGGCTGGGCTGCTGCCCTTTACCCAGGCTGTGCTGTGAGGACCCACATACAC	972
Db	301	SerGlyAlaTrpGlyCysCysProPheThrGlnAlaValCysGluAspHisIleHis	320
Qy	973	TGCTGTCCCGGGGTTCATGCTGTGACACGACGAGGATGCTGTAACAGGGGCCCCAC	1032
Db	321	CysCysProAlaGlyPheThrCysAspThrGlnLysGlyThrCysGluGlnGlyProHis	340
Qy	1033	CAGGTGCCCTGATCGAGAGGCCCCAGCTCACTCACTGCCAGACCCACAGACCTTG	1092
Db	341	GlnValProTrpMetGluLysAlaProAlaHisLeuSerLeuProAspProGlnAlaLeu	360
Qy	1093	AAGAGAGATGTCCTCTGTGATAATGTTCAGCAGCTGTCCCTCTCCGATACCTGCTGCCAA	1152
Db	361	LysArgAspValProCysAspAsnValSerSerCysProSerSerAspThrCysCysGln	380
Qy	1153	CTCAGCTCTGGGAGTGGGCTGCTGTCCAATCCACAGGCTGTCTGTCTCGGACAC	1212
Db	381	LeuThrSerGlyLysTrpGlyCysCysProIleProGluAlaValCysCysSerAspHis	400

Qy	1213	CAGACTGCTGCCCGCCAGGACGATACAGTGTGTAGCTGAGGGGCACTGTGACGACGAGC	1272
Db	401	GlnHisCysCysProGlnArgGlyThrCysValAlaGlnGlyGlnCysGlnAaGGlySer	420
Qy	1273	GAGATCGTGGCTGGACTGGAGAAAGTCCCTGCCCGCGCGGTTCCTTATCCCAACCCAGA	1332
Db	421	GluIleValAlaGlyLeuGluLysMetProAlaArgArgGlySerLeuSerHisProArg	440
Qy	1333	GACATCGGCTGTACACGACGACACACAGTGCCTCCCGTGGCGGGAACCTGCTGCCGAGGCAG	1392
Db	441	AspIleGlyCysAspGlnHisThrSerCysProValGlyGlyThrCysCysProSerGln	460
Qy	1393	GGTGGGAGCTGGGGCCTGCTGCCAGTTGCCCATGTCTGTGTCTGCGAGGATCCCCAGCAC	1452
Db	461	GlyGlySerTrpAlaCysGlnLeuProHisAlaValCysCysGlnAaSpArgGlnHis	480
Qy	1453	TGTCGCCGCTGGCTACACTGCACGTGAAGGCTCGATCCTCGCAGAGGAGAGTGTC	1512
Db	481	CysCysProAlaGlyThrCysAsnValValAlaArgSerCysGluLysGluValVal	500
Qy	1513	TCGTGCCAGCGCTGCACCTTCCTGGCCGCTAGCCCTCACGTGGGTGTGAAGGACGTGGAG	1572
Db	501	SerAlaGlnProAlaThrPheLeuAlaArgSerProHisValGlyValLysAspValGlu	520
Qy	1573	TGTGGGAAGACATTCCTGCCATGTAAACACAGACCTGCTGCCGAGACACACGACAGGC	1632
Db	521	CysGlyGluGlyHisPheCysHisAspAsnGlnThrCysCysArgAspAsnArgGlnGly	540
Qy	1633	TGGCCCTGCTGTCTCCCTACGGCCAGGGCGTCTGTGTGCTGATCGGCCACTGCTGTCTCT	1692
Db	541	TrpAlaCysCysProTyrAlaGlnGlyValCysCysAlaAspArgArgHisCysCysPro	560
Qy	1693	GCTGGCTTCGCTCGGACGACCGAGGTACCAAGTTGTGCGAGGAGGCCCGCGCTGG	1752
Db	561	AlaGlyPheArgCysAlaArgArgGlyThrLysCysLeuArgArgGluAlaProArgTrp	580
Qy	1753	GACGCCCTTTGAGGGACCCAGCCCTTGACAGACAGCTGCTG	1791
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RESULT 2

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US-09-813-156-17
; Sequence 17, Application US/09813156
; Patent No. 6670183
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z3996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/813,156
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO 17
; LENGTH: 593
; TYPE: PRT
; ORGANISM: Human GP88 cDNA
US-09-813-156-17

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Alignment Scores:	2.08e-219	Length:	593
Pred. No.:	311.00	Matches:	593
Score:	100.00%	Conservative:	0
Percent Similarity:	100.00%	Mismatches:	0
Best Local Similarity:	100.00%	Indels:	0
Query Match:	85.57%	Gaps:	0
DB:	4		

US-09-880-842-16 (1-2095) * US-09-813-156-17 (1-593)

ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 593 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-668-648-4

Alignment Scores:
Pred. No.: 6,92e-217 Length: 593
Score: 3472.00 Matches: 587
Percent Similarity: 98.99% Conservative: 0
Best Local Similarity: 98.99% Mismatches: 6
Query Match: 84.62% Indels: 0
DB: 1 Gaps: 0

US-09-880-842-16 (1-2095) x US-07-668-648-4 (1-593)

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Db 21 ProAspGlyGlnPheCysProValAlaCysCysLeuAspProGlyGlyAlaSerTyrSer 40
QY 133 TGCTGCGCTGCCCTTCTGGCAAAATGGCCACACACTGACGAGGCAATCTGGGTGGCCCC 192
Db 41 CysCysArgProLeuLeuAspLysTrpProThrThrLeuSerArgHisLeuGlyGlyPro 60
QY 193 TGCAGAGTTGATGCCACTGCTGTCGGCGCCACTCTCGATCTTACCTGCTCAGGGACT 252
Db 61 CysGlnValAspAlaHisCysSerAlaGlyHisSerCysIlePheThrValSerGlyThr 80
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QY 313 CGGGCTTCCACTGAGTGACGCGGGATCTGCTTCCAGAGTCAAGATCAGGTAACTCC 372
Db 101 ArgGlyPheHisCysSerAlaAspGlyArgSerCysPheGlnArgSerGlyAsnAsnSer 120
QY 373 GTGGTGCATCCAGTGCCTGTAGTACAGTTCAATGCCGGACTTCTCCAGCTGCTGT 432
Db 121 ValGlyAlaIleGlnCysProAspSerGlnPheGluCysProAspPheSerThrCysCys 140
QY 433 GTTATGTCGATGGCTCTGGGGTGTGCTGCCCATGCCCAGGCTTCTGCTGTGAAGAC 492
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Db 161 ArgValHisCysCysProHisGlyAlaPheCysAspLeuValHisThrArgCysIleThr 180
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Db 201 AlaLeuSerSerValMetCysProAspAlaArgSerArgCysProAspGlySerThr 220
QY 673 TGCTGTGAGCTGCCAGTGGGAAGTATGGCTGCTGCCCAATGCCCAACGACCTGCTGC 732
Db 221 CysCysGluLeuProSerGlyIleTyrGlyCysCysProMetProAsnAlaThrCysCys 240
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RESULT 4

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QY 733 TCCGATCACCTGCTGCTGCCCAAGACACTGTGTGTGACCTGATCCAGAGTAAGTGC 792
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Db 261 LeuSerLysGluAsnAlaThrThrAspLeuLeuThrLysLeuProAlaHisThrValGly 280
QY 853 GATGTGAAATGTGACATGAGGTGAGTGGCCAGATGGCTATACCTGCTGCGCTCTACAG 912
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QY 913 TCGGGGCTGGGCTGCTGCTGCCCTTTTACCAGAGCTGTGTGTGTGAGGACACATACAC 972
Db 301 SerGlyAlaTrpGlyCysCysProPheThrGlnAlaValCysCysGluAspHisIleHis 320
QY 973 TGCTGCTCCCGGGGTTTACGTGTGACACGACAGAGGTTACTGTGAACAGCGGCCCCAC 1032
Db 321 CysCysProAlaGlyPheThrCysAspThrGlnLysGlyThrCysGluGlnGlyProHis 340
QY 1033 CAGGTGCTGATGGAGAGGCCCCAGCTCACCTCAGCTGCCAGACCCCAAGCCTTG 1092
Db 341 GlnValProTrpMetGluLysAlaProAlaHisLeuSerLeuProAspProGlnAlaLeu 360
QY 1093 AAGAGATGTCCTCTGTGATAATGTTCAGCAGCTGTCTCTCCGATACCTGCTGCCAA 1152
Db 361 LysArgAspValProCysAspAsnValSerSerCysProSerSerAspThrCysCysGln 380
QY 1153 CTCAGCTCTGGGAGTGGGGTGTCTGCTCCAAATCCAGAGGCTGTCTGCTGCTCGACCCAC 1212
Db 381 LeuThrSerGlyGluTrpGlyCysCysProIleProGluAlaValCysCysSerAspHis 400
QY 1213 CAGCACTGCTGCCCCACGATACACGTGTGTAGTGTAGGGGCGAGTGTACGAGGAGGC 1272
Db 401 GlnHisCysCysProGlnGlyTyrThrCysValAlaGluGlyGlnCysGlnArgGlySer 420
QY 1273 GAGATCGTGGCTGGACTGGAGAAGATGCTGCCCGCGCGTCTCTTATCCACCCACAGA 1332
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QY 1333 GACATCGCTGTGACACACACACAGCTGCCCGGTGGCGGAACTGTGCTGCCGAGCCAG 1392
Db 441 AspIleGlyCysAspGlnHisThrSerCysProValGlyGlnThrCysCysProSerLeu 460
QY 1393 GGTGGAGCTGGGCTGCTGCTGCGAGTTCCTCATGTGTGTGTGCGAGGATCGCCAGCAC 1452
Db 461 GlyGlySerTrpAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis 480
QY 1453 TGCTGCCCGCTGGCTACACCTGCAACGTGAAGGCTCGATCTGCGAAGAGGAAGTGTCT 1512
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QY 1633 TGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1692
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QY 1753 GACGCCCTTTGAGGAGCCAGCCTTGAGACAGCTGCTG 1791
Db 581 AspAlaProLeuArgAspProAlaLeuArgGlnLeuLeu 593
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US-08-429-998-4
/ Sequence 4, Application US/08429998
/ Patent No. 5885961
/ GENERAL INFORMATION:
/ APPLICANT: Shoyab, Mohammed
/ APPLICANT: Plozman, Gregory D.
/ TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
/ TITLE OF INVENTION: MODULATING PROTEINS
/ NUMBER OF SEQUENCES: 12
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Pennie & Edmonds
/ CITY: New York
/ STATE: New York
/ COUNTRY: USA
/ ZIP: 10036
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/429,998
/ FILING DATE: 27-APR-1995
/ CLASSIFICATION: 514
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/668,648
/ FILING DATE: 13-MAR-1991
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Mistrock, S. Leslie
/ REGISTRATION NUMBER: 18,972
/ REFERENCE/DOCKET NUMBER: 5624-161-999
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (212) 790-9090
/ TELEFAX: (212) 863-9741
/ INFORMATION FOR SEQ ID NO: 4:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 593 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
US-08-429-998-4

Alignment Scores:
Pred. No.: 6,92e-217 Length: 593
Score: 3472.00 Matches: 587
Percent Similarity: 98.99% Conservative: 0
Best Local Similarity: 98.95% Mismatches: 6
Query Match: Indels: 0
DB: Gaps: 0

US-09-880-842-16 (1-2095) x US-08-429-998-4 (1-593)

Qy 13 ATGTGACCGCTGGTGGCTGGTGGCTTACACAGCGGTGGTGGCGAAGCGGTGC 72
Db 1 MetcrrprrLeuValSertrpValAlaLeuThrAlaGlyLeuValAlaGlyThrArgCys 20
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Qy 133 TGTGTCGGTCCCTTCTGGCAATGGCCCAACACTGACGAGCAGCATCTGGGTGGCCCC 192
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Db 321 CysCysProAlaGlyPheThrCysAspThrGlnLysGlyThrCysGluGlnGlyProHis 340
QY 1033 CAGTCCCTGGATGAGAGGCCCGCCAGCTCACTCAGCTGCCAGACCCACCAAGCCTTG 1092
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QY 1093 AAGAGAGATGCCCTGTGATATGTCAGCAGCTGCCCTCTCCGATACCTGCTGCCNA 1152
Db 361 LysArgAspValProCysAspAsnValSerCysProSerSerAspThrCysGln 380
QY 1153 CTCACTCTGGGAGTGGGCTCTCTCCAAATCCAGAGGCTCTCTGCTGCTCGAGCAC 1212
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Db 501 SerAlaGlnProAlaThrPheLeuAlaArgSerProHisValGlyValLysAspValGlu 520
QY 1573 TGTGGGAGAGGACACTTCTGCCATGATTAACCAAGCTGCTGCCGAGACCAACCCAGGGC 1632
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RESULT 6

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PCT-US91-02321-4
; Sequence 4, Application PC/TUS9102321
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: PLOWMAN, Gregory D.
; TITLE OF INVENTION: EPITHELIALS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bristol-Myers Squibb Company
; STREET: 3005 First Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98121
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
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;
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US91/02321
; FILING DATE: 19910403
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Poor, Brian W.
; REGISTRATION NUMBER: 32,928
; REFERENCE/DOCKET NUMBER: ON0071A-PC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 728-4800
; TELEFAX: (206) 448-4775
; INFORMATION FOR SEQ ID NO. 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 593 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US91-02321-4
;
; Alignment Scores:
; Pred. No.: 6,92e-217 Length: 593
; Score: 3472.00 Matches: 587
; Percent Similarity: 98.99% Conservative: 0
; Best Local Similarity: 98.99% Mismatches: 6
; Query Match: 84.62% Indels: 0
; DB: 5 Gaps: 0
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US-09-880-842-16 (1-2095) x PCT-US91-02321-4 (1-593)

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QY 133 TGTGCTCCCTCCCTCTGCGCAAAATGGCCACACACTGACGAGGCTCTGGGTGGGCCCC 192
Db 41 CysCysArgProLeuLeuAspLysTrpProThrThrLeuSerArgHisLeuGlyGlyPro 60
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QY 313 CGGGGCTTCCACTCAGTGCAGACGGGCGATCTCTGCTTCCAAAGATCAGGTAAACAATCC 372
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QY 373 GTGGGTGCCATCCAGTGCCTGTAGTCAATGTCGGGACTTCTCCACGTGCTGT 432
Db 121 ValGlyAlaIleGlnCysProAspSerGlnPheGlnCysProAspPheSerThrCysCys 140
QY 433 GTTATGCTCGATGGCTCTCTGGGGGTGCTGCCCAATGCCCAAGGTCTCTGCTGTGAAGAC 492
Db 141 ValMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysCysGluAsp 160
QY 493 AGGTGCTACTGCTGCTGCGCAGGTCCTTCTGCGACTGCTGCTGCTGCTGCTGCTGCTGCT 552
Db 161 ArgValHisCysCysProHisGlyAlaPheCysAspLeuValHisThrArgCysIleThr 180
QY 553 CCCACGGGACCCACACCCCTCCGCAAGAAGCTCTCTGCCAGAGGACTTAAACAGGCGCAGTG 612
Db 181 ProThrGlyThrHisProLeuAlaIleLysLeuProAlaGlnArgThrAsnArgAlaVal 200
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Db 201 AlaLeuSerSerValMetCysProAspAlaArgSerArgCysProAspGlySerThr 220
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Db 221 CysCysGluLeuProSerGlyLysTyzGlyCysCysProMetProAsnAlaThrCysCys 240
QY 733 TCCGATCACCTGCTGCTCCCTCCCAAGACACACTGTGTGCTGCTGATCCAGAGTAAGTGC 792
Db 241 SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuLeuGlnSerLysCys 260
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Db 301 SerGlyAlaThrGlyCysCysProPheThrGlnAlaValCysCysGluAspHisLeuHis 320
QY 973 TGCTGTCCCGGGGTTTACGTGTGACACAGAGGTACCTGTGACAGGGGCCCCAC 1032
Db 321 CysCysProAlaGlyPheThrCysAspThrGlnLysGlyThrCysGluGlnGlyProHis 340
QY 1033 CAGGTGCTGGATGGAGAGGCCAGCTCAGCTCAGCTGCTGCTGCTGCTGCTGCTGCTG 1092
Db 341 GlnValProThrMetGluLysAlaProAlaHisLeuSerLeuProAspProGlnAlaLeu 360
QY 1093 AAGAGAGATGCTCCCTGTGATATGTGACAGAGGTGCTCCCTCCGATACCTGCTGCTCAA 1152
Db 361 LysArgAspValProCysAspAsnValSerCysProSerSerAspThrCysCysGln 380
QY 1153 CTCAGTCTGGGAGTGGGCTGCTCTCCAAATCCAGAGGCTGTCTGCTGCTGCTGCTGCTG 1212
Db 381 LeuThrSerGlyGluThrGlyCysCysProLeuProGluAlaValCysCysSerAspHis 400
QY 1213 CAGCACTGTGCTCCCGAGCATACAGTGTGTAGCTGAGGGGAGTGTGAGGAGAAC 1272
Db 401 GlnHisCysCysProGlnGlyTyzThrCysValAlaGluGlyGlnCysGlnArgGlySer 420
QY 1273 GAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1332
Db 421 GluLeuValAlaGlyLeuGluLysMetProAlaArgAlaSerLeuSerHisProArg 440
QY 1333 GACATGCTGTGACACAGCACACAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1392
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QY 1393 GGTGGAGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1452
Db 461 GlyGlySerTrpAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis 480
QY 1453 TGCT 1512
Db 481 CysCysProAlaGlyTyzThrCysAsnValLysAlaArgSerCysGluLysGluValVal 500
QY 1513 TCTGCCAGCTGCCACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1572
Db 501 SerAlaGlnProAlaThrPheLeuAlaArgSerProHisValGlyValLysAspValGlu 520
QY 1573 TGTGGGAAGACACTTCTCCCATGATTAACACAGACTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1632
Db 521 CysGlyGluGlyHisPheCysHisAspAsnGlnThrCysCysArgAspAsnArgGlnGly 540
QY 1633 TGGGCT 1692
Db 541 TrpAlaCysCysProTyzArgGlnGlyValCysCysAlaAspArgHisCysCysPro 560
QY 1693 GCTGGCTTCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1752

Db 561 AlaGlyPheArgCysAlaAlaArgGlyThrLysCysLeuArgAGGluAlaProArgTrp 580
QY 1753 GACGCCCTTTGAGGACCCAGCCTTGAGCAGCTGCTG 1791
Db 581 AspAlaProLeuArgAspProAlaLeuArgGlnLeuLeu 593
RESULT 7
US-07-668-648-2
; Sequence 2, Application US/07668648
; Patent No. 5416192
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Flowman, Gregory D.
; TITLE OF INVENTION: EPITHELIALS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/668,648
; FILING DATE: 19910819
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-3741
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-07-668-648-2
Alignment Scores:
Pred. No.: 9.94e-167 Length: 589
Score: 2696.00 Matches: 443
Percent Similarity: 84.15% Conservative: 56
Best Local Similarity: 74.70% Mismatches: 90
Query Match: 65.71% Indels: 4
Gaps: 3
US-09-880-842-16 (1-2095) x US-07-668-648-2 (1-589)
QY 13 ATGTGGACCCCTGGTGGCTGGCTTAACAGCAGGCTGGTGGTGGAAACCGGTGC 72
Db 1 MetTrpIleLeuValSerTrpLeuAlaLeuValAlaArgLeuValAlaGlyThrGlnCys 20
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Db 21 ProAspGlyGlnPheCysProValAlaCysCysLeuAspGlnGlyAlaAsnTyzSer 40
QY 133 TGCTGCCCTCCCTCTCTGGACAAATGGCCCAACACTGAGCAGGCATCTGGTGGGCC 192
Db 41 CysCysAsnProLeuLeuAspThrTrpProIleThrSerArgA-gLeuAspGlySer 60
QY 193 TGCCAGGTGATGCCCACTGCTCTGCGCGCCACTCTCTGCACTCTTACGCTCTAGGACT 252
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253 TCCAGTGTGCTGCTTCCAGAGCCGCTGGCATCGGGGATGGCCATCACTGCTGCCCA 312
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81 SerSerCysCysProPheSerGluGlyValSerCysAspAspGlyGlnHisCysCysPro 100
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313 CGGGGCTTCCATGCACTGCAAGCGGCGATCCTCTCCAAAGATCAGGTAACAACCTCC 372
Db |||||
101 ArgGlyPheHisCysSerAlaAspGlyLysSerCysSerGlnIleSer---AspSerLeu 119
QY |||||
373 GTGGGTGCCATCAGTGCCTGATAGTCAATGTCGAATGCCCGGACTTCTCCACAGTGTGT 432
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Db |||||
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493 AGGTGTCATGCTGTCCGACCGGTCTCTGCGACCTGCTTCACACCGCTGCATCACA 552
Db |||||
160 ArgValHisCysCysProHisGlyAlaSerCysAspLeuValHisThrArgCysIleSer 179
QY |||||
553 CCCAGGGGACCCACCCCTGGCAAGAGCTCCCTGCCCGACGACTCAACAGGCGACGTG 612
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QY |||||
613 GCCTGTCCAGCTCGGTCTATGTCTCGGACGACGCTCCCGTCCGCTGATGTTCTACC 672
Db |||||
200 AlaPheProPheSerValValCysProAspAlaLysThrGlnCysProAspAspSerThr 219
QY |||||
673 TCTGTGACCTGCCAGTGGGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 732
Db |||||
220 CysCysGluLeuProThrGlyLysTrpGlyCysCysProMetProAsnAlaIleCysCys 239
QY |||||
733 TCCGATCACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 792
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240 SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys 259
QY |||||
793 CTCTCCAGAGAACCTACAGGACCT 852
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QY |||||
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319 CysCysProAlaGlyPheGlnCysHisThrGluThrGlyThrCysGluLeuGlyValLeu 338
QY |||||
1033 CAGGTGCT 1092
Db |||||
339 GlnValProTrpMetLysLysValThrAlaSerLeuSerLeuProAspProGlnIleLeu 358
QY |||||
1093 ACAGAGATGCTCCCTGCTGATATGTCACAGCTGCTCCCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1152
Db |||||
359 LysAsnAspValProCysAspAspPheSerSerCysProSerAsnAsnThrCysCysArg 378
QY |||||
1153 CTCACCTGCTGGGAGTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1212
Db |||||
379 LeuSerSerGlyAspTrpGlyCysCysProIleProGluAlaValCysCysLeuAspHis 398
QY |||||
1213 CAGCATGCT 1272
Db |||||
399 GlnHisCysCysProGlnGlyPheLysCysMetAspGluGlyTyrCysGlnLysGlyAsp 418
QY |||||
1273 GAGATGCT 1332
Db |||||
419 ArgMetValAlaGlyLeuGluLysMetProValArgGlnThrThrLeuLeuGlnHisGly 438
QY |||||
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439 AspIleGlyCysAspGlnHisThrSerCysProValGlyGlnThrCysCysProSerLeu 458
QY |||||
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1513 TGTGCT 1572
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499 SerValGlnProSerMetAspLeuThrPheGlySerLysValGly-----AsnValGlu 516
QY |||||
1573 TGTGGGAGAGACACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1632
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517 CysGlyAlaGlyHisPheCysHisAspAsnGlnSerCysCysLysAspSerGlnGlyGly 536
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1633 TGGGCT 1692
Db |||||
537 TrpAlaCysCysProTrpValLysGlyValCysCysArgAspGlyArgHisCysCysPro 556
QY |||||
1693 GCT 1752
Db |||||
557 IleGlyPheHisCysSerAlaLysGlyThrLysCysLeuArgLysLysThrProArgTrp 576
QY |||||
1753 GACGCT 1791
Db |||||
577 AspIleLeuLeuArgAspProAlaProArgProLeuLeu 589

RESULT 8
US-08-429-998-2
; Sequence 2, Application US/08429998
; Patent No. 5885961
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Plozman, Gregory D.
; TITLE OF INVENTION: EPITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/429,998
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/668,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Mirock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212) 869-9741
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein

Db 517 CysGlyAlaGlyHisPheCysHisAspAenGlnSerCysCysLysAspSerGlnGlyGly 536
QY 1633 TGGCGCTGTGTCCTACGCCAGGCGCTGTGTGTGCTGATCGGCGCCACTGCTGCTCT 1692
Db 537 TTPAlaCysCysProIyValIyValCysCysAsgpGlyArgHisCysCysPro 556
QY 1693 GCTGGCTTCGTCACAGCGAGGCTACAAAGTGTTCGCGAGGAGGCCCGCGCTGG 1752
Db 557 IleGlyPheHisCysSerAlaLysGlyThrLysCysLeuArgLysLysThrProArgTrp 576
QY 1753 GAGCGCCCTTGGAGGAGCCAGCTTGAGACAGCTGCTG 1791
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RESULT 10

PCT-US91-02321-2
; Sequence 2, Application PC/TUS9102321
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Plowman, Gregory D.
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bristol-Myers Squibb Company
; STREET: 3005 First Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98121
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US91/02321
; FILING DATE: 19910403
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Poor, Brian W.
; REGISTRATION NUMBER: 32,928
; REFERENCE/DOCKET NUMBER: ON0071A-PC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)728-4800
; TELEFAX: (206)448-4775
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US91-02321-2

Alignment Scores:
Pred. No.: 9,94e-167 Length: 589
Score: 2696.00 Matches: 443
Percent Similarity: 84.15% Conservative: 56
Best Local Similarity: 74.70% Mismatches: 90
Query Match: 65.71% Indels: 4
DB: 5 Gaps: 3

US-09-880-842-16 (1-2095) x PCT-US91-02321-2 (1-589)

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QY 73 CCAGATGTGATGTCGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCT 132
Db 21 ProAspGlyGlnPheCysProValaCysCysLeuAspGlnGlyAlaAsnTyrSer 40
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QY 193 TGGCAGAGTTGATGCCCACTGCTCTCGCGGCACACTCTCTGATCTTTACCGCTCAGGACT 252
Db 61 CysGlnIleArgAspHisCysProAspGlyTyrSerCysLeuLeuThrValSerGlyThr 80
QY 253 TCCAGTTGCTGCCCTTCCAGAGGCGCTGCGATGCGGGGATGGCCATCATCTGCTGCCCA 312
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Db 160 ArgValHisCysCysProHisGlyAlaSerCysAspLeuValHisThrArgCysIleSer 179
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QY 733 TCCGATCACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 792
Db 240 SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys 259
QY 793 CTCTCCAAAGGAGAACGCTACACGACCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 852
Db 260 IleSerLysAsp---TyrThrThrAspLeuMetThrLysLeuProGlyTyrProValasn 278
QY 853 GATGTGAAATGTGACATGAGTGGAGTGGCTGCGCAGATGGCTATACCTGCTGCTGCTAC 912
Db 279 GluValLysCysAspLeuGluValSerCysProAspGlyTyrThrCysCysArgLeuAsn 298
QY 913 TCGGGGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 972
Db 299 ThrGlyAlaTrpGlyCysCysProPheThrLysAlaValCysCysGluAspHisIleHis 318
QY 973 TGCTGTCCCGGGGCTTACGTGTGACACGAGAGGCTTCTGTAACAGGGGCCCCAC 1032
Db 319 CysCysProAlaGlyPheGlnCysHisThrGluThrGlyThrCysGluLeuGlyValLeu 338
QY 1033 CAGGTGCTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1092
Db 339 GlnValProTrpMetLysLysValThrAlaSerLeuSerLeuProAspProGlnIleLeu 358
QY 1093 AAGAGAGATGCTCCCTGTGATAATGTGACAGCTGCTCCCTCCGATACCTGCTGCCAA 1152
Db 359 LysAsnAspValProCysAspAspPheSerCysProSerAsnAsnThrCysCysArg 378
QY 1153 CTCAGCTCTGGGAGTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1212
Db 379 LeuSerSerGlyAspTrpGlyCysCysProIleProGluAlaValCysCysLeuAspHis 398
QY 1213 CAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1272

Db	399	GlnHisCysCysProGlnGlyPheLeysCysMetAspGluGlyTyrCysGlnLysGlyAsp	418
Qy	1273	GAGATCGTGGCTGGAGTGGAAAGATGCTTGGCCGCGCGGTTCCTTATATCCACCCACGA	1332
Db	419	ArgMetValAlaGlyLeuGluLysMetProValArgGlnThrThrLeuGlnHisGly	438
Qy	1333	GACATGGCTGTGACAGACACAGACAGTGGCGGTGGCGGAGGCTGCTCCCGAGCCAG	1392
Db	439	AspIleGlyCysAspGlnHisThrSerCysProValGlyGlnThrCysCysProSerLeu	458
Qy	1393	GGTGGGAGCTGGGCGCTGCTCCAGATTGCCCATGCTGTGCTGCGAGGATCCCAAGCAC	1452
Db	459	LysGlySerTrpAlaCysCysGlnLeuProHisAlaValCysGluAspArgGlnHis	478
Qy	1453	TGTCGCCGCGCTGGCTACACTGACAGTGAAGCTCGATCCTCGGAGAGGAGTGGTC	1512
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Qy	1513	TCTGCCAGAGCTGCACCTTCTCGTGGCCGCTAGCCCTCACGTGGTGTGAAGGACGTGAG	1572
Db	499	SerValGlnProSerMetAspLeuThrPheGlySerLysValGly-----AsnValGlu	516
Qy	1573	TGTGGGGAAGACACTTCTGCATGATGAATAACAGACCTGCTGCGAGACAAACCGACAGGC	1632
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Qy	1633	TGGCGCTGCTTCCCTTACGCGCAGGGCTGTGTGTGCTGATCGGCCACTGCTGTCCT	1692
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Qy	1693	GCTGGCTTCGCTCGGACCGAGGGGTACCAAGTGTGTGGCGAGGAGGCCCGCGCTGG	1752
Db	557	IleGlyPheHisCysSerAlaLysGlyThrLysCysLeuArgLysLysThrProArgTrp	576
Qy	1753	GACGCCCTTTGAGGGACCCAGCCTTGACAGCTGTCTG	1791
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RESULT 11

US-07-668-648-6
 ; Sequence 6, Application US/07668648
 ; Patent No. 5416192
 ; GENERAL INFORMATION:
 ; APPLICANT: Shoyab, Mohammed
 ; APPLICANT: Plozman, Gregory D.
 ; TITLE OF INVENTION: EPIHELINS: NOVEL CYSTEINE-RICH GROWTH
 ; TITLE OF INVENTION: MODULATING PROTEINS
 ; NUMBER OF SEQUENCES: 12
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESS: Pennie & Edmonds
 ; STREET: 1155 Avenue of the Americas
 ; CITY: New York
 ; STATE: New York
 ; COUNTRY: USA
 ; ZIP: 10036
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent'n Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/07/668,648
 ; FILING DATE: 19910819
 ; CLASSIFICATION: 514
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Mistock, S. Leellie
 ; REGISTRATION NUMBER: 18,872
 ; REFERENCE/DOCKET NUMBER: 5624-161-999
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (212) 790-9090
 ; TELEFAX: (212) 869-9741
 ; INFORMATION FOR SEQ ID NO: 6:
 ; SEQUENCE CHARACTERISTICS:


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Db 140 IleMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysCysGluAsp 159
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Db 160 ArgValHisCysCysProHisGlyAlaSerCysAspLeuValHisThrArgCysValSer 179
QY 553 CCCAGGCGCACCCACCCCTGCAAGAGCTCCCTGCGCAGAGACTTAAACAGGCGCAGTG 612
Db 180 ProThrGlyThrHisThrLeuLeuLysLysPheProAlaGlnLysThrAsnArgAlaVal 199
QY 613 GCTTTGTCAGCTCGGTGATGTCGCGACGCGTCCGTCGCGTCCGTCGCTGATGTTCTACC 672
Db 200 SerLeuProPheSerValValCysProAspAlaLysThrGlnCysProAspAspSerThr 219
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QY 793 CTCTCCAGGAGAACGCTACGACGACGCTCCTCACTAAGCTGCTGCGCCACACAGTGGC 852
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QY 913 TCGGGGCTCGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 972
Db 299 ThrGlyAlaTrpGlyCysCysProPheAlaLysAlaValCysCysGluAspHisIleHis 318
QY 973 TGTGTCCCGCGGGTTTACGTGTGACACGACGAGAGGTACCTGTGAACAGGGGCCAC 1032
Db 319 CysCysProAlaGlyPheGlnCysHisThrGluLysGlyThrCysGluMetGlyIleLeu 338
QY 1033 CAGTGTCTGATGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1092
Db 339 GlnValProTrpMetLysLysValIleAlaProArgArgLeuProAspProGlnIleLeu 358
QY 1093 AAGAGAGATGCTCCCTGCTGATATGTGACAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1152
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QY 1153 CTCACTCTGGGAGTGGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1212
Db 379 LeuAsnSerGlyAspTrpGlyCysCysProIleProGluAlaValCysCysSerAspAsn 398
QY 1213 CAGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1272
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Db 419 ThrMetValAlaGlyLeuGluLysIleProAlaArgGlnThrThrProLeuGlnIleGly 438
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QY 1453 TGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1512
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; Sequence 6, Application US/08431333
; Patent No. 5965723
; GENERAL INFORMATION:
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Shoyab, Mohammed
; TITLE OF INVENTION: EPIITHELINS: NOVEL CYSTEINE-RICH GROWTH
; TITLE OF INVENTION: MODULATING PROTEINS
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/431,333
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/668,648
; FILING DATE: 13-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-161-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 969-9741
; TELEFAX: (212) 969-9741
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 589 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-431-333-6

Alignment Scores:
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Score: 2693.00 Matches: 441
Percent Similarity: 83.98% Conservative: 57
Best Local Similarity: 74.37% Mismatches: 91
Query Match: 65.63% Indels: 4
DB: 2 Gaps: 3

US-09-880-842-16 (1-2095) x US-08-431-333-6 (1-589)
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 REFERENCE/DOCKET NUMBER: ON0071A-PC
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 728-4800
 TELEFAX: (206) 448-4775
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
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 TYPE: AMINO ACID
 TOPOLOGY: linear
 MOLECULE TYPE: protein
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Alignment Scores:
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Db 21 ProAspGlyGlnPheCysProValAlaCysCysLeuAspGlnGlyGlyAlaAsnTrpSer 40

QY 133 TCCTGCGCTCCCTCTGACAAATGGCCCAACACTGAGCAGCATCTGGTGGCCCC 192
Db 41 CysCysAsnProLeuMetSerTrpProArgIleThrSerHisHisLeuAspGlySer 60

QY 193 TCCAGTGTGATGTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 252
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US-08-991-862-2

; Sequence 2, Application US/08991862

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240	SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys	259
793	CTCTCCAAAGAGAAAGCTACACAGGACCTCCTCACTAAGCTGCTGCGCACACAGTAGTGGC	852
260	LeuSerLys---AsnTyThrThrAspLeuLeuThrLysLeuProGlyTyThrProValLys	278
853	GATGTGAAATGTGACATGGAGGTGAGTGCCAGATGGCTATACCTGCTGCTGCTTACAG	912
279	GluValLysCysAspMetGluValSerCysProGluGlyTyThrCysCysArgLeuAsn	298
913	TCGGGGCCCTGGGGCTGCTGCCCTTTTACCACAGCTGTGTGCTGTGAGGACCAATACAC	972
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319	CysCysProAlaGlyPheGlnCysHisThrGluLysGlyThrCysGluMetGlyIleLeu	338
1033	CAGTGGCCCTGGATGGAGAGAGGCCCAAGCTCACTCAGCTGCCAGACCCACACAGCCTTG	1092
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537	TrpAlaCysCysProTyTrpLeuLysGlyValCysCysArgAspGlyArgHisCysCysPro	556
1693	GCTGGCTTCCGCTGCGCAGCAGGAGGTACCAAGTGTTTGCCGAGGAGGCCCGCGCTGG	1752
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us-09-880-842-16.jun8.ra1

Wed Jun 9 09:59:50 2004

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Job time : 76 secs

GenCore version 5.1.6
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Run on: June 8, 2004, 16:46:54 ; Search time 98 Seconds
(without alignments)
12028.664 Million cell updates/sec

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Delop 6.0, Delext 7.0

Searched: 1155919 seqs, 281338677 residues

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Minimum DB seq length: 0

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Maximum Match 100%

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result	Query	Match	Length	ID	Description
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2	3511	85.6	593	9	US-09-824-807-17	Sequence 17, Appl
3	3511	85.6	593	9	US-09-824-647-17	Sequence 17, Appl
4	3511	85.6	593	14	US-10-218-509-17	Sequence 17, Appl
5	3511	85.6	593	14	US-10-281-160-17	Sequence 17, Appl
6	3511	85.6	593	15	US-10-321-587-17	Sequence 17, Appl
7	3492	85.1	621	9	US-09-925-301-1416	Sequence 1416, Ap
8	3472	84.6	593	12	US-10-170-385-269	Sequence 269, App
9	3472	84.6	593	14	US-10-262-473-6	Sequence 6, Appli
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21	371	9.0	1574	12	US-09-825-751A-77	Sequence 77, Appl
22	368	9.0	2403	14	US-10-184-644-513	Sequence 513, App
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ALIGNMENTS

RESULT 1

US-09-813-156-17

; Sequence 17, Application US/09813156

; Patent No. US20020061859A1

; GENERAL INFORMATION:

; APPLICANT: Seriero, Ginette

; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS

; FILE REFERENCE: Z9996.488/P001-A

; CURRENT APPLICATION NUMBER: US/09/813,156

; CURRENT FILING DATE: 2001-03-21

; PRIOR APPLICATION NUMBER: 08/991,862

; PRIOR FILING DATE: 1997-12-16

; PRIOR APPLICATION NUMBER: 08/863,862

; PRIOR FILING DATE: 1997-05-23

; NUMBER OF SEQ ID NOS: 17

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 17

; LENGTH: 593

; TYPE: PRT

; ORGANISM: Human GP88 cDNA

; US-09-813-156-17

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Best Local Similarity: 100.00% Mismatches: 0
Query Match: 85.57% Indels: 0
DB: 9 Gaps: 0

US-09-880-842-16 (1-2095) x US-09-813-156-17 (1-593)

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Db 41 CysCysArgProLeuLeuAspLysTTPProThrThrLeuSerArgHisLeuGlyGlyPro 60
QY 193 TGCAGGTTGATGCCCACTCTCTGCGGCCACTCTCTGCTATCTTTTACCGTCTCAGGACT 252
Db 61 CysGlnValAspAlaHisCysSerAlaGlyHisSerCysIlePheThrValSerGlyThr 80
QY 253 TCCAGTTGCTGCCCTTCCAGAGGCGCTGGCATGGGGATGCCCATCACTCTCTGCCCA 312
Db 81 SerSerCysCysProPheProGluAlaValAlaCysGlyAspGlyHisCysCysPro 100
QY 313 CGGGCTTCCACTGCACTGAGCAGCGCGGATCTGCTTCCAAAGATCAGGTAACTCC 372
Db 101 ArgGlyPheHisCysSerAlaAspGlyArgSerCysPheGlnArgSerGlyAsnSer 120
QY 373 GTGGTCCCATCCAGTCCCTGTAGTCAGTTCGATGCCGAGCTTCCAGTCTGT 432
Db 121 ValGlyAlaIleGlnCysProAspSerGlnPheGluCysProAspPheSerThrCysCys 140
QY 433 GTTATGTCAGTGTCTCTGGGGTGTGCTCCCAATGCCAGCTTCCCTGCTGAAGAC 492
Db 141 ValMetValAspGlySerTTPGlyCysCysProMetProGlnAlaSerCysGluAsp 160
QY 493 AGGTGCACTGTCTCCGACGFRGCTTTCGACCTGTTTCAACCCGCTGCATCA 552
Db 161 ArgValHisCysCysProHisGlyAlaPheCysAspLeuValHisThrArgCysIleThr 180
QY 553 CCCACGGGACCCACCCCTGGCAAGAAGCTCCCTGCCAGAGGCTAACAGGGCAGTG 612
Db 181 ProThrGlyThrHisProLeuAlaLysLeuLeuProAlaGlnArgThrAsnArgAlaVal 200
QY 613 GCCTTGTCAGCTCGGTCACTGTGTCGGACCGCACGGTCCCGGTCCCTGATGCTTCTACC 672
Db 201 AlaLeuSerSerValMetCysProAspAlaArgSerArgCysProAspGlySerThr 220
QY 673 TGCTGTGAGTCCCGAGTGGAGTATGCTGCTGCCATGCGCCACGCGCACTCTGTC 732
Db 221 CysCysGluLeuProSerGlyLysTyrglyCysCysProMetProAsnAlaThrCysCys 240
QY 733 TCCGATCACCTGCACTGCTGCCCAAGACACTGTGTGACCTGTATCCAGAGTAAGTGC 792
Db 241 SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys 260
QY 793 CTCTCCAGAGGAACGCTACACGGACTCTCTACTAAGCTGCTGGCGCACAGTGGGC 852
Db 261 LeuSerLysGluAsnAlaThrThrAspLeuLeuThrLysLeuProAlaHisThrValGly 280
QY 853 GATGTGAATGTGACATGGAGTGGAGTGGCCAGATGGCTATACCTGCTGCCCTCTACAG 912
Db 281 AspValLysCysAspMetGluValSerCysProAspGlyTyThrCysCysArgLeuGln 300
QY 913 TCGGGGCGCTGGGCTGCTCCCTTTTACCCAGGCTGTGTGCTGTGAGGACCACTACAC 972
Db 301 SerGlyAlaTTPGlyCysCysProPheThrGlnAlaValCysCysGluAspHisIleHis 320
QY 973 TGCTGTCCCGGGGTTTACGTGTGACAGCAGAGGCTACCTGTGTAACAGGGGCCCCAC 1032

Db 321 CysCysProAlaGlyPheThrCysAspThrGlnLysGlyThrCysGluGlnGlyProHis 340
QY 1033 CAGTGCCTCGATGGAGAGGCCCGCAGCTCAGCTCAGCTGCGCAGACCCACAGCCTTG 1092
Db 341 GlnValProTTPMetGluLysAlaProAlaHisLeuSerLeuProAspProGlnAlaLeu 360
QY 1093 AAGAGAGATGCCCTGTGATAATGTGACAGCTGTCCCTCTCCGATACCTGTGCGCAA 1152
Db 361 LysArgAspValProCysAspAsnValSerSerCysProSerSerAspThrCysGln 380
QY 1153 CTCAGCTCTGGGAGTGGGCTGTGTCCATCCAGAGGCTGTCTGCTGCTGGACCCAC 1212
Db 381 LeuThrSerGlyGluTTPGlyCysCysProIleProGluAlaValCysCysSerAspHis 400
QY 1213 CAGCACTCTCCCGCCAGCAGATACAGCTGTAGCTCAGGGGCGAGTGTACAGGAGAGC 1272
Db 401 GlnHisCysCysProGlnArgTyThrCysValAlaGluGlyGlnCysGlnArgGlySer 420
QY 1273 GAGATCGTGTGAGTGGAGAGATGCTGCCCGCGCGGTTCCTTATCCACCCAGAGA 1332
Db 421 GlutLeuValAlaGlyLeuGluLysMetProAlaArgArgGlySerLeuSerHisProArg 440
QY 1333 GACATCGGCTGTGACCAACACAGCTGCCCGTGGCGGGAACCTGTGCTGCCGAGCCAG 1392
Db 441 AspIleGlyCysAspGlnHisThrSerCysProValGlyGlyThrCysCysProSerGln 460
QY 1393 GGTGGAGCTGGGCTGTGCTGCCAGTGGCCCATCTGTGTCTGCTCGAGGATTCGCGAC 1452
Db 461 GlyGlySerTTPAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis 480
QY 1453 TGCTGCCCGCTGGCTACACCTGCAACGTGAGAGCTGATCTCGGAGAGGAGTGGTC 1512
Db 481 CysCysProAlaGlyTyThrCysAsnValLysAlaArgSerCysGluLysGluValVal 500
QY 1513 TCTGCCAGCTGCCACCTTCTGCGCGCTAGCCCTCACGTGGGTGTGAAGAGCTGGAG 1572
Db 501 SerAlaGlnProAlaThrPheLeuAlaArgSerProHisValGlyValLysAspValGlu 520
QY 1573 TGTGGGAGAGACACTTCTGCGCATTAACAGACCTGCTGCCAGACCAACCGACGGGC 1632
Db 521 CysGlyGluGlyHisPheCysHisAspAsnGlnThrCysCysArgAspAsnArgGly 540
QY 1633 TGGGCTCTGCTGCTCCCTAGCCCGCGCTGTGTGTGTGCTGATCGCGCCACTGTGCTCT 1692
Db 541 TTPAlaCysCysProTyThrAlaGlnGlyValCysCysAlaAspArgHisCysCysPro 560
QY 1693 GCTGCTTCCGCTGGCGACCGCAGGCTACCAAGTGTGTTGCGCAGGAGGCCCGCGCTGG 1752
Db 561 AlaGlyPheArgCysAlaArgGlyThrLysCysLeuArgGluAlaProArgTTP 580
QY 1753 GACGCGCTTTGAGGAGCCCGCTTGTGAGACAGCTGTG 1791
Db 581 AspAlaProLeuArgAspProAlaLeuArgGlnLeuLeu 593

RESULT 2

US-09-824-807-17
; Sequence 17, Application US/09824807
; Patent No. US20020094966A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: 29996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/824,807
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-15
; PRIOR APPLICATION NUMBER: 08/863,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 593

Qy	1633	TGGGCTGCTGTCTCCCTACGCGCCAGGGGCTCTTGTGCTCTGATCGCGCGCCTACTGCTGCTCT	1692
Db	541	TTPAlaCysCysProTyrAlaGlnGlyValCysCysAlaAspArgArgSHAsCysCysPro	560
Qy	1693	GCTGGCTTCGCTGCTCGCACGACGGGGTACCAAGTGTTCGCGAGGAGGCCCCCGCTGTG	1752
Db	561	AlaGlyPheArgCysAlaArgGlyThrLysCysLeuArgArgGluAlaProArgTTP	580
Qy	1753	GACGCCCTTTGAGGGACCCAGCCTCTGAGCAGCTGCTG	1791
Db	581	AspAlaProLeuArgCysProAlaLeuArgGlnLeuLeu	593

RESULT 7

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US-09-925-301-1416
; Sequence 1416, Application US/09925301
; Patent No. US2002052308A1
;
; GENERAL INFORMATION:
;
;   APPLICANT: Rosen et al.
;   TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
;   FILE REFERENCE: PA106
;   CURRENT APPLICATION NUMBER: US/09/925,301
;   CURRENT FILING DATE: 2001-08-10
;   PRIOR APPLICATION NUMBER: PCT/US00/05882
;   PRIOR FILING DATE: 2000-03-08
;   PRIOR APPLICATION NUMBER: 60/124,270
;   PRIOR FILING DATE: 1999-03-12
;   NUMBER OF SEQ ID NOS: 1694
;   SOFTWARE: PatentIn Ver. 2.0
;   SEQ ID NO 1416
;   LENGTH: 621
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-925-301-1416

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Alignment Scores:		
Pred. No.:	4,05e-196	Length: \$21
Score:	3492.00	Matches: 591
Percent Similarity:	98.99%	Conservative: 0
Best Local Similarity:	98.99%	Mismatches: 6
Query Match:	85.11%	Indels: 0
DB:	9	Gaps: 0

US-09-880-842-16 (1-2095) x US-09-925-301-1416 (1-621)

Qy	1	CGAGG	CAGAC	ATG	GA	CCCTGTG	TAG	TGG	TGG	CGCTTAA	CAG	CAG	GCG	GCTG	TGG	CGT	50													
Db	25	Arg	Gln	Thr	Met	T	p	Thr	Leu	Val	Ser	Trp	Val	Ala	Leu	Thr	Ala	Gly	Leu	Val	Ala	44								
Qy	61	GGAA	CCGG	TGC	CA	GAT	CG	TTC	CA	GTT	CG	CC	TG	CG	CTG	CTG	CG	GAG	CA	CCCG	GAG	120								
Db	45	Gly	Thr	Arg	Cys	Pro	Asp	Gly	Gln	Phe	Cys	Pro	Val	Ala	Cys	Cys	Leu	Asp	Pro	Gly	Gly	64								
Qy	121	GC	CAG	TAC	AG	TG	CTG	CG	CG	TCC	CTT	CTG	GAC	AA	TG	CG	CC	CAC	AA	CAC	TG	AG	180							
Db	65	Ala	Ser	Tyr	Ser	Cys	Cys	Arg	Pro	Leu	Leu	Asp	Leu	Ser	Trp	Pro	Thr	Thr	Leu	Ser	Arg	His	84							
Qy	181	CTG	G	TG	G	G	CC	CTG	CA	G	TTG	AT	GC	CA	CTG	CT	GC	CG	CA	CT	CCT	GC	AT	CT	T	T	ACC	240		
Db	85	Leu	Gly	Gly	Pro	Cys	Gln	Val	Asp	Ala	His	Cys	Ser	Ala	Gly	His	Ser	Cys	Ile	Phe	Thr	104								
Qy	241	GT	CT	C	A	G	G	A	C	T	T	C	C	C	T	T	C	C	A	G	G	C	C	T	G	G	C	A	T	300
Db	105	Val	Ser	Gly	Thr	Ser	Ser	Cys	Cys	Pro	Phe	Pro	Glu	Ala	Val	Ala	Cys	Gly	Asp	Gly	His	124								
Qy	301	CAC	TG	T	G	C	C	C	A	G	G	G	C	T	T	C	C	A	G	G	G	C	CA	T	C	T	C	T	T	360
Db	125	His	Cys	Cys	Pro	Arg	Gly	Phe	His	Cys	Ser	Ala	Asp	Gly	Arg	Ser	Cys	Phe	Gln	Arg	Ser	144								
Qy	361	G	GT	A	A	C	A	C	T	C	C	G	T	G	C	C	A													

165	Db	SerThrCysCysValMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSer	184
481	QY	TGCTGTGAAGACAGGGTGCACCTGCTCTCGCGACGGTGCCTTCGCGACCTGGTTACACC	540
185	Db	CysCysGluAspArgValHisCysCysProHisGlyAlaPheCysAspLeuValHisThr	204
541	QY	CGCTGCATCACACCCACAGGGCACCCACCCCTGGCAAGAAGCTCCCTGCCCGAGAGACT	600
205	Db	ArgCysIleThrProThrGlyThrHisProLeuAlaLysLysLeuProAlaGlnArgThr	224
601	QY	AACAGGCGCAGTGCCTTGCCACGCTCGGTGCATGTGCCGACGACGCGTCCCGGTGCCT	660
225	Db	AsnArgAlaValAlaLeuSerSerValMetCysProAspAlaArgSerArgCysPro	244
661	QY	GATGGTCTACCTGCTGCAGTCCCGCAGTGGCAAGTATGCTGCTCCCAATGCCCAAC	720
245	Db	AspGlySerThrCysCysGluLeuProSerGlyLysTrpGlyCysCysProMetProAsn	264
721	QY	GCACCTGCTGCTCCGATCACCTTCGCACTGCTGCTCCCCAAGACACACTGTGTGTGACCTGATC	780
265	Db	AlaThrCysCysSerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIle	284
781	QY	CACAGTAAGTGCCTCCCAAGGAGAAGCTACCACGAGACCTCTCTCACTAAGTGCCTGCG	840
285	Db	GlnSerLysCysLeuSerLysGluAsnAlaThrThrAspLeuLeuThrLysLeuProAla	304
841	QY	CACACAGTGGCGCATGTGAATGTGACATGAGAGGTGAGCTGCCACAGATGCTATACCTGC	900
305	Db	HisThrValGlyAspValLysCysAspMetGluValSerCysProAspGlyTrpThrCys	324
901	QY	TGCGGCTACAGTCGGGGGCTGCGGGCTGCTGCCCTTTTACCAAGGCTGTGTGCTGTGAG	960
325	Db	CysArgLeuGlnSerGlyAlaTrpGlyCysCysProPheThrGlnAlaValCysCysGlu	344
961	QY	GACCACATACACTGCTGTCCCGGGGTTTACGTGTGACACGCAAGAAGGTACTGTGAA	1020
345	Db	AspHisIleHisCysCysProAlaGlyPheThrCysAspThrGlnLysGlyThrCysGlu	364
1021	QY	CAGGGGCCACACAGGTGCCCTGATGGAGAAGGCCCCAGCTACCTCAGCTCCCGACAG	1080
365	Db	GlnGlyProHisGlnValProTrpMetGluLysAlaProAlaHisLeuSerLeuProAsp	384
1081	QY	CCACAGCCTTGAGAGAGATGTCCTCTGTGATAATGTGACAGTGTCTCCTCTCCGAT	1140
385	Db	ProGlnAlaLeuLysArgAspValProCysAspAsnValSerSerCysProSerSerAsp	404
1141	QY	ACCTGTGCCAACTCACGTCTGGGAGTGGGGTCTGTCCAAATCCACAGAGCTGTCTGC	1200
405	Db	ThrCysCysGlnLeuThrSerGlyGluTrpGlyCysCysProIleProGluAlaValCys	424
1201	QY	TGCTCGAACCAACAGACACTGCTGCCCCACGAGTACACGTGTGTAGCTGAGGGCAGTGT	1260
425	Db	CysSerAspHisGlnHisCysCysProGlnGlyTrpThrCysValAlaGluGlyGlnCys	444
1261	QY	CAGCGAAGACGAGATGCTGGCTGGACTCGAGAAGATGCTGCCCGCCGGGTTCCTTA	1320
445	Db	GlnArgGlySerGluIleValAlaGlyLeuGluLysMetProAlaArgAlaSerLeu	464
1321	QY	TCCCACCCACAGACATCGGCTGTGACACGACACAGCTGCCCGGTGGCGGACCTGC	1380
465	Db	SerHisProArgAspIleGlyCysAspGlnHisThrSerCysProValGlyGlnThrCys	484
1381	QY	TGCCCGAGCCAGGGTGGGAGCTGGGCTGTGCCAGTGTGCCCATGCTGTGTGCTGCGAG	1440
485	Db	CysProSerLeuGlyLysTrpAlaCysCysGlnLeuProHisAlaValCysCysGlu	504
1441	QY	GATCGCAGACATGCTGCCCGGTGGCTACACCTGCAACGTGAAGGCTCGATCTCTGGAG	1500
505	Db	AspArgGlnHisCysCysProAlaGlyTrpThrCysAsnValLysAlaArgSerCysGlu	524
1501	QY	AAGAAGTGGTCTCTGCCCGACCTGCCACTTCTCTGCGCCGCTACGCTCGGTGTG	1560

525	LyseGluValValSerAlaGlnProAlaThrPheLeuAlaArgSerProHisValGlyVal	544
1561	AAGGACGTGAGTGTGGGGAAGGACACTTCTGCCATGATAACACAGACCTCTGCTGCCAGAC	1620
545	LyseAspValGluCysGlyGluGlyHisPheCysHisAspAsnGlnThrCysCysArgAsp	564
1621	AACCGACAGGCTGGGGCTGCTCTCTACGCCAGGGCGCTGTGTGTGCTGATCGCGCG	1680
565	AsnArgGlnGlyTrpAlaCysCysProTyrArgGlnGlyValCysCysAlaAspArgArg	584
1681	CACTGCTGTCTCTGTGCTCTCCGTCGCGACGACAGGGGTACCAAGTGTTTGCGCAGGGAG	1740
585	HisCysCysProAlaGlyPheArgCysAlaAlaArgGlyThrIysCysLeuArgArgGlu	604
1741	GCCCGCGCTGGGACGCCCTTTTGAGGGACCCAGCTTGACACAGCTGCTGT	1791
605	AlaProArgTrpAspAlaProLeuArgAspProAlaLeuArgGlnLeuLeu	621

RESULT 8

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US-10-170-385-269
; Sequence 269, Application US/10170385
; Publication No. US20030203372A1
; GENERAL INFORMATION:
; APPLICANT: Ward, Neil Raymond
; APPLICANT: Mundy, Christopher Robert
; APPLICANT: Kan, On
; APPLICANT: Harris, Robert Alan
; APPLICANT: White, Jonathan
; APPLICANT: Binley, Katie Mary
; APPLICANT: Rayner, William Nigel
; APPLICANT: Naylor, Stuart
; APPLICANT: Kingsman, Susan Mary
; APPLICANT: Krige, David
; TITLE OF INVENTION: ANALYSIS METHOD
; FILE REFERENCE: 532682000100
; CURRENT APPLICATION NUMBER: US/10/170,385
; CURRENT FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: PCT/GB02/01662
; PRIOR FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: PCT/GB01/05458
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 549
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 269
; LENGTH: 593
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-170-385-269

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Alignment Scores:	
Pred. NO.:	5,96e-195
Score:	3473.00
Length:	593
Percent Similarity:	98.99%
Matches:	587
Best Local Similarity:	98.99%
Conservative:	0
Mismatches:	6
Query Match:	84.62%
Indels:	0
Gaps:	0
DB:	12

US-09-880-842-16 (1-2095) X US-10-170-385-269 (1-593)

Qy	13	ATGTGGA	CCCTGGT	GAGCTGG	TGGCTGC	CTTACAG	CAGGGCT	TGGTGGT	CTGGAG	ACGGCGTGC	72
Db	1	MetTrpThr	LeuValSer	TrpVal	AlaLeu	ThrAla	GlyLeu	ValAla	GlyThr	ArgCys	20
Qy	73	CCAGATG	TGTCAGT	CTCTGCC	TGTGG	CCCTGCT	GCCTGG	ACCCGG	AGGAC	GCAGCTAC	132
Db	21	ProAspGly	GlnPhe	CysPro	ValAla	CysCys	LeuAsp	ProGly	GlyAla	SerTrpSer	40
Qy	133	TGCTCCGT	CCCGTCT	TGGAGAA	TGGCCCA	CAACTG	CAGCAG	CAGC	ACTTGG	TGGTCCGCC	192
Db	41	CysCysArg	ProLeu	LeuAsp	TrpTrp	ProThr	ThrLeu	SerArg	HisLeu	GlyGlyPro	60
Qy	193	TGCCAGGT	TGATGCC	CACTGCT	CTCGCG	CCCACT	CCTCTG	CACTTT	TAACCG	CTCTCAGG	252

QY 1333 GACATCGGCTGTGACACACACACAGCTGCCCGGTGGGCGGAACCTGTGCTGCCGAGCCAG 1392
Db 441 AsplleGlyCysAspGlnHisThrSerCysProValGlyGlnThrCysCysProSerLeu 460
QY 1393 GTGGGAGCTGGGCTGTGACACACACAGCTGCCCGGTGGGCGGAACCTGTGCTGCCGAGCCAG 1452
Db 461 GlyGlySerTrpAlaCysCysGlnLeuProHisAlaValCysCysGluAspArgGlnHis 480
QY 1453 TGCTGCCCGCTGGCTGTGACACACACAGCTGCCCGGTGGGCGGAACCTGTGCTGCCGAGCCAG 1512
Db 481 CysCysProAlaGlyTyrThrCysAsnValLysAlaArgSerCysGluLysGluValVal 500
QY 1513 TGTGCCACCTGCGACACCTTCTGCGCGGTAGCCCTCAGCTGGGTGGGAGACCTGGAG 1572
Db 501 SerAlaGlnProAlaThrPheLeuAlaArgSerProHisValGlyValLysAspValGlu 520
QY 1573 TGTGGGAGGACACCTTGTGACACACAGCTGTGCGGAGACACACAGGAGCC 1632
Db 521 CysGlyGluGlyHisPheCysHisAspAsnGlnThrCysCysArgAspAsnArgGlnGly 540
QY 1633 TGGGCTGTGCTGCTGACACACAGCTGTGCGGAGACACACAGGAGCC 1692
Db 541 TrpAlaCysCysProTrpArgGlnGlyValCysCysAlaAspArgHisCysCysPro 560
QY 1693 GCTGGCTTCCGCTGCGACACAGGAGTACCAAGTGTGCGGAGGAGGCGCGCTGG 1752
Db 561 AlaGlyPheArgCysAlaAlaArgGlyThrLysCysLeuArgArgGluAlaProArgTrp 580
QY 1753 GAGCGCCCTTTGAGGACCCAGCTTGTGACACAGCTGCTG 1791
Db 581 AspAlaProLeuArgAspProAlaLeuArgGlnLeuLeu 593

RESULT 9

US-10-262-473-6
; Sequence 6, Application US/10262473
; Publication No. US20030199442A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, John.
; APPLICANT: Burgess, Catherine,
; APPLICANT: Gorman, Linda,
; APPLICANT: Guo, Xiaojia,
; APPLICANT: Lepley, Denise,
; APPLICANT: Patturajan, Meera,
; APPLICANT: Rastelli, Luca,
; APPLICANT: Reiger, Daniel,
; APPLICANT: Spytek, Kimberly,
; APPLICANT: Zhong, Mei
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; FILE REFERENCE: 21402-462B
; CURRENT APPLICATION NUMBER: US/10/262,473
; CURRENT FILING DATE: 2003-01-28
; PRIOR APPLICATION NUMBER: 60/327,917
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/328,029
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/328,056
; PRIOR FILING DATE: 2001-10-09
; PRIOR APPLICATION NUMBER: 60/349,575
; PRIOR FILING DATE: 2001-10-29
; PRIOR APPLICATION NUMBER: 60/381,038
; PRIOR FILING DATE: 2002-05-16
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 6
; LENGTH: 593
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-262-473-6

Alignment Scores: 5.96e-195 Length: 593
Pred. No.: 3472.00 Matches: 587
Score:

Percent Similarity: 98.99% Conservative: 0
Best Local Similarity: 98.99% Mismatches: 6
Query Match: 84.62% Indels: 0
DB: 14 Caps: 0
US-09-880-842-16 (1-2095) x US-10-262-473-6 (1-593)
QY 13 ATGTGACCCCTGTGTAGCTGGGTGGGCTTAAACAGCAGGCTGTGTGCTGGAAGCCGCTGC 72
Db 1 MetTrpThrLeuValSerTrpValAlaLeuThrAlaGlyLeuValAlaGlyThrArgCys 20
QY 73 CCAGATGGTTCAGTCTGCTGCTGGCTGTGCTGCGACCCCGGAGAGCCAGCTACAGC 132
Db 21 ProAspGlyGlnPheCysProValAlaCysCysLeuAspProGlyGlyAlaSerTyrSer 40
QY 133 TGTGCGCTCCCTTCTGTGACAAATGGCCCAACACCTGACAGGATCTGGGTGGCCCC 192
Db 41 CysCysArgProLeuLeuAspLysTrpProThrThrLeuSerArgHisLeuGlyGlyPro 60
QY 193 TGCAGGTTGATGCCACACTGCTGCGGGCCACTCTGCTGCTATCTTACCCTCTCAGGACT 252
Db 61 CysGlnValAspAlaHisCysSerAlaGlyHisSerCysAllePheThrValSerGlyThr 80
QY 253 TCCAGTTGCTGCCCTTCCAGAGGCGGTGGCATGGCGGAGTGGCCATCATCTGCTGCCCA 312
Db 81 SerSerCysCysProPheProGluAlaValAlaCysGlyAspGlyHisCysCysPro 100
QY 313 CGGGCTTCCACTGCAGTGCAGACGGCGATCTGCTTCCAAAGATCAGTAACTCC 372
Db 101 ArgGlyPheHisCysSerAlaAspGlyArgSerCysPheGlnArgSerGlyAsnSer 120
QY 373 GTGGGTGCCATCCAGTGCCTGTAGTACGTTCGAATGCCCGGACTTCTCCAGTCTGT 432
Db 121 ValGlyAlaIleGlnCysProAspSerGlnPheGluCysProAspPheSerThrCysCys 140
QY 433 GTTATGTCATGGCTCTGCGGGTGTGCTGCCATGCCCGGCTTCTGCTGTGAGAC 492
Db 141 ValMetValAspGlySerTrpGlyCysCysProMetProGlnAlaSerCysCysGluAsp 160
QY 493 AGGTGCACTGTGCTGCGCACGGTCTTCTGCGACCTGTTCCACACCCGCTGCATCACA 552
Db 161 ArgValHisCysCysProHisGlyAlaPheCysAspLeuValHisThrArgCysIleThr 180
QY 553 CCCAGGGCCACCCACCCCTGGGAAAGACTCTGCTGCCAGAGGACTAACAGGGCAGTG 612
Db 181 ProThrGlyThrHisProLeuAlaLysLeuLeuProAlaGlnArgThrAsnArgAlaVal 200
QY 613 GCCTTGTCCAGCTCGGTGTCGCGACGCGGTCCCGGTGCTGATGGTCTTCTTACC 672
Db 201 AlaLeuSerSerSerValMetCysProAspAlaArgSerArgCysProAspGlySerThr 220
QY 673 TGTGTGAGTGCCTGCGGAGTATGGCTGTGCTGCCAATGCCAAGCCACCTGCTGC 732
Db 221 CysCysGluLeuProSerGlyLysTyrGlyCysCysProMetProAsnAlaThrCysCys 240
QY 733 TCCGATCACCTGCACTGCTGCCCCCAAGACACTGTGTGTCACCTGATCCAGAGTAAGTGC 792
Db 241 SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys 260
QY 793 CTCTCCAGGAGAACCGTACACGACCTCTCTACTAAGCTGCTGGCGCACAGTGGGC 852
Db 261 LeuSerLysGluAsnAlaThrThrAspLeuLeuThrLysLeuProAlaHisThrValGly 280
QY 853 GATGTGAATGTGACATGGAGTGGCTGCCAGATGCTATACCTGCTGCGCTCTACAG 912
Db 281 AspValLysCysAspMetGluValSerCysProAspGlyTyrThrCysCysArgLeuGln 300
QY 913 TCGGGGGCTGCGGCTGCTGCCCTTTTACCAGGCTGTGTGCTGTGAGGACCAATACAC 972
Db 301 SerGlyAlaTrpGlyCysCysProPheThrGlnAlaValCysCysGluAspHisIleHis 320
QY 973 TGTCTTCCCGGGGTTCAGTGTGACACGAGGAGGTACTCTGTGAACGGGGCCCCAC 1032

Db 321 CysCysProAlaGlyPheThrCysAspThrGlnLysGlyThrCysGluGlnGlyProHis 340
Qy 1033 CAGTGGCCCTGGATGGAGAGCCCGCCAGCTCACCTCAGCTGCCAGAGCCACAGAGCTTG 1092
Db 341 GlnValProTrrpMecGluLysAlaProAlaHisLeuSerLeuProAspProGlnAlaLeu 360
Qy 1093 AAGAGAGATGTCCTGTGATAATGTACAGAGCTGTCCCTCTCCGATACCTGTGCGCAA 1152
Db 361 LysArgAspValProCysAspAsnValSerSerCysProSerSerAspThrCysCysGln 380
Qy 1153 CTCAGCTCTGGGAGTGGGCTGTCTGTTCATCCAGAGGCTGTCTGTCTGGAGCCAC 1212
Db 381 LeuThrSerGlyGluTrrpGlyCysCysProLeProGluAlaValCysCysSerAspHis 400
Qy 1213 CAGCACTGTGCCCCCAGCAGATACACAGCTGTGTAGCTGAGGGGCGAGTGCACGAGGAAGC 1272
Db 401 GlnHisCysCysProGlnGlyTrrpThrCysValAlaGluGlnCysGlnArgGlySer 420
Qy 1273 GAGATCGTGGCTGGACTGGAGAGATGCTGTGCTGCCCGCGGGTCTTATCCACCCGAGA 1332
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Qy 1393 GGTGGAGCTGGCTGTGCTGCCAGTGTGCCCATGTGTGTCTGTCTGAGAGAGCTGGAG 1452
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Qy 1453 TGCTCCCGGCTGGCTACACCTGCAACCTGCAAGCTGAGGCTGCATCTCGAGAGAGAGTGGTC 1512
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Qy 1633 TGGGCTGTGTCCTTACGCCAGGCGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1692
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RESULT 10
US-09-813-156-2
; Sequence 2, Application US/09813156
; Patent No. US20020061859A1
; GENERAL INFORMATION:
; APPLICANT: Serrero, Ginette
; TITLE OF INVENTION: 88 KDA TUMORIGENIC GROWTH FACTOR AND ANTAGONISTS
; FILE REFERENCE: Z9996.488/P001-A
; CURRENT APPLICATION NUMBER: US/09/813,156
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 08/991,862
; PRIOR FILING DATE: 1997-12-16
; PRIOR APPLICATION NUMBER: 08/963,862
; PRIOR FILING DATE: 1997-05-23
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 589
; TYPE: PRT

; ORGANISM: Mouse epithelin/granulin
US-09-813-156-2
Alignment Scores: 1.01e-148 Length: 589
Pred. No.: 2681.00 Matches: 439
Score: 83.81% Conservative: 58
Best Local Similarity: 74.03% Mismatches: 92
Query Match: 65.34% Indels: 4
Gaps: 3
DB: 3
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Qy 73 CAGATGCTCAGTCTGTCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 132
Db 21 ProAspGlyGlnPheCysProValAlaCysCysLeuAspGlnGlyAlaAsnTrrpSer 40
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Db 41 CysCysAsnProLeuLeuAspThrTrrpProArgIleThrSerHisLeuAspGlySer 60
Qy 193 TGCAGGTGTATCCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 252
Db 61 CysGlnThrHisGlyHisCysProAlaGlyTrrpSerCysLeuLeuThrValSerGlyThr 80
Qy 253 TCCAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 312
Db 81 SerSerCysCysProPheSerLysGlyValSerCysGlyAspGlyTrrpHisCysCysPro 100
Qy 313 CGGGGCTTCCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 372
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Db 160 ArgValHisCysCysProHisGlyAlaSerCysAspLeuValHisThrArgCysValSer 179
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Qy 733 TCCGATCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 792
Db 240 SerAspHisLeuHisCysCysProGlnAspThrValCysAspLeuIleGlnSerLysCys 259
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QY 553 CCACCGGGACCCACACCCCTGGCAAGACTCCCTGCCAGAGACTAACAGGGCAGTG 612
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